

#5

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Engineering Intracellular Sialylation Pathways

the specification of which is being filed concurrently herewith.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Priority Claimed
Yes No

(Number) (Country) (Day/Month/Year Filed)

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

<u>60/227,579</u>	<u>August 25, 2000</u>
(Application Serial No.)	(Filing Date)
<u>60/169,624</u>	<u>December 8, 1999</u>
(Application Serial No.)	(Filing Date)
<u>60/122,582</u>	<u>March 2, 1999</u>
(Application Serial No.)	(Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or under § 365(b) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

<u>09/516,793</u>	<u>March 1, 2000</u>	<u>pending</u>
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: James H. Davis (Reg. No. 40,582), Kenley K. Hoover (Reg. No. 40,302), Jonathan L. Klein (Reg. No. 41,119), Michele M. Wales (Reg. No. 43,975), Mark J. Hyman (Reg. No. 46,789), and Janet M. Martineau

(Reg. No. 46,903) of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first named inventor: Michael J. Betenbaugh

Inventor's signature: _____ Date: _____
Residence: 6403 Sharon Road, Baltimore, Maryland 21239 Citizenship: US
Post Office Address: same as above

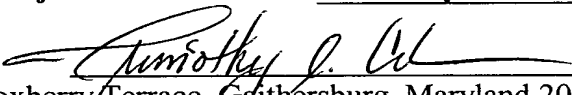
Full name of additional joint inventor: Shawn Lawrence

Inventor's signature: _____ Date: _____
Residence: 1926 Aliceanna Street, Baltimore, Maryland 21231 Citizenship: US
Post Office Address: same as above

Full name of additional joint inventor: Yuan C. Lee

Inventor's signature: _____ Date: _____
Residence: 1824 Savo Court, Timonium, Maryland 21231 Citizenship: US
Post Office Address: same as above

Full name of additional joint inventor: Timothy A. Coleman

Inventor's signature:  Date: 10/16/01
Residence: 7512 Boxberry Terrace, Gaithersburg, Maryland 20879 Citizenship: US
Post Office Address: same as above

DECLARATION FOR PATENT APPLICATION

As a below named inventor, I declare that I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Engineering Intracellular Sialylation Pathways

The specification of which is being filed concurrently herewith.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 C.F.R. § 1.56.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT international application, which designated at least one country other than the United States listed below, and have also identified below any foreign application for patent or inventor's certificate, or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Priority Claimed
Yes No

<u>(Number)</u>	<u>(Country)</u>	<u>(Day/Month/Year Filed)</u>
-----------------	------------------	-------------------------------

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below.

<u>60/227,579</u>	<u>August 25, 2000</u>
(Application Serial No.)	(Filing Date)
<u>60/169,624</u>	<u>December 8, 1999</u>
(Application Serial No.)	(Filing Date)
<u>60/122,582</u>	<u>March 2, 1999</u>
(Application Serial No.)	(Filing Date)

I hereby claim the benefit under 35 U.S.C. § 120 of any United States application(s), or under § 365(b) of any PCT international application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56 that became available between the filing date of the prior application and the national or PCT international filing date of this application.

<u>09/516,793</u>	<u>March 1, 2000</u>	<u>pending</u>
(Application Serial No.)	(Filing Date)	(Status: patented, pending, abandoned)

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith: James H. Davis (Reg. No. 40,582), Kenley K. Hoover (Reg. No. 40,302), Jonathan L. Klein (Reg. No. 41,119), Michele M. Wales (Reg. No. 43,975), Mark J. Hyman (Reg. No. 46,789), and Janet M. Martineau

(Reg. No. 46,903) of Human Genome Sciences, Inc. 9410 Key West Avenue, Rockville, Maryland, 20850.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of first named inventor: Michael J. Betenbaugh

Inventor's signature: Michael J. Betenbaugh Date: 11/26/01
Residence: 6403 Sharon Road, Baltimore, Maryland 21239 Citizenship: US
Post Office Address: same as above

Full name of additional joint inventor: Shawn Lawrence

Inventor's signature: Shawn Lawrence Date: 11/28/01
Residence: 30 Beacon Hill Dr., #1052, Dobbs Ferry, NY 10522 Citizenship: US
Post Office Address: same as above

Full name of additional joint inventor: Yuan C. Lee

Inventor's signature: Yuan C. Lee Date: 11/26/01
Residence: 1824 Savo Court, Timonium, Maryland 21231 Citizenship: US
Post Office Address: same as above

Full name of additional joint inventor: Timothy A. Coleman

Inventor's signature: _____ Date: _____
Residence: 7512 Boxberry Terrace, Gaithersburg, Maryland 20879 Citizenship: US
Post Office Address: same as above